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Parameter Help

Announcement: There have been changes to parameter names in the National Water Information System (NWIS) Parameter Code Dictionary (PCD). These changes have been incorporated in NWISWeb this May 2003.

Description: The changes affect the parameter short name, long name, and column headings. They include

- conversion of text from all upper case to mixed case,
- standardization of word usage (for example, "dissolved" has mostly been replaced by "filtered"),
- systematization of the order in which qualifiers appear in a name,
- revisions and corrections to chemical names to provide consistency, and
- changes in the default reporting order for publication tables.

In some cases, the chemical names have been changed to nomenclature recommended by the International Union of Pure and Applied Chemistry (IUPAC).

Data for water-quality samples are stored under parameter codes. Each parameter code defines a specific type of data. The USGS and USEPA typically use similar parameter-code definitions, although there are exceptions to this rule. Parameter codes fall into three classes:

1. Site and sampling-event data, such as site name, site ID, sample data, etc.
2. Fixed-value codes, which are used to define a certain part of the process of sample collection, processing, or quality assurance.
3. Chemical, physical, and biological data. The following illustrates how codes are defined, and how for one type of measurement, several parameter codes may exist.

Parameter Code	Parameter Definition
00910	Total calcium, in milligrams per liter as calcium carbonate (unfiltered-water sample)
00915	Dissolved calcium, in milligrams per liter as calcium (filtered-water sample)
00916	Total calcium, in milligrams per liter as calcium (unfiltered-water sample)
91051	Total calcium, in micrograms per liter as calcium (unfiltered-water sample)

4. A complete list of parameter codes and associated groupings can be found [here](#).

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Parameter Code Definition

Data Category:	Geographic Area:
Water Quality	United States
<input checked="" type="checkbox"/> GC	

Data Category:	Geographic Area:
Water Quality	United States
<input checked="" type="checkbox"/> GC	

Parameter Code	Group Name	Parameter Name/Description
00598	Nutrients	Dissolved nitrogen gas, water, unfiltered, percent of saturation
00600	Nutrients	Total nitrogen, water, unfiltered, milligrams per liter
00601	Nutrients	Total nitrogen, suspended sediment, total, milligrams per liter
00602	Nutrients	Total nitrogen, water, filtered, milligrams per liter
00603	Nutrients	Total nitrogen, bed sediment, total, dry weight, milligrams per kilogram
00604	Nutrients	Ammonia, suspended sediment, total, milligrams per liter as nitrogen
00605	Nutrients	Organic nitrogen, water, unfiltered, milligrams per liter
00606	Nutrients	Organic nitrogen, suspended sediment, total, milligrams per liter
00607	Nutrients	Organic nitrogen, water, filtered, milligrams per liter
00608	Nutrients	Ammonia, water, filtered, milligrams per liter as nitrogen
00610	Nutrients	Ammonia, water, unfiltered, milligrams per liter as nitrogen
00611	Nutrients	Ammonia, bed sediment, total, dry weight, milligrams per kilogram as nitrogen
00613	Nutrients	Nitrite, water, filtered, milligrams per liter as nitrogen
00615	Nutrients	Nitrite, water, unfiltered, milligrams per liter as nitrogen
00616	Nutrients	Nitrite, bed sediment, total, dry weight, milligrams per kilogram as nitrogen
00618	Nutrients	Nitrate, water, filtered, milligrams per liter as nitrogen

00619	Nutrients	Ammonia (un-ionized), water, unfiltered, calculated, milligrams per liter as nitrogen
00620	Nutrients	Nitrate, water, unfiltered, milligrams per liter as nitrogen
00621	Nutrients	Nitrate, bed sediment, total, dry weight, milligrams per kilogram as nitrogen
00623	Nutrients	Ammonia plus organic nitrogen, water, filtered, milligrams per kilogram as nitrogen
00624	Nutrients	Ammonia plus organic nitrogen, suspended sediment, total, milligrams per liter as nitrogen
00625	Nutrients	Ammonia plus organic nitrogen, water, unfiltered, milligrams per liter as nitrogen
00626	Nutrients	Ammonia plus organic nitrogen, bed sediment, total, milligrams per kilogram as nitrogen
00628	Nutrients	Nitrate plus nitrite, suspended sediment, total, dry weight, milligrams per liter as nitrogen
00630	Nutrients	Nitrate plus nitrite, water, unfiltered, milligrams per liter as nitrogen
00631	Nutrients	Nitrate plus nitrite, water, filtered, milligrams per liter as nitrogen
00633	Nutrients	Nitrate plus nitrite, bed sediment, total, dry weight, milligrams per kilogram as nitrogen
00635	Nutrients	Ammonia plus organic nitrogen, water, unfiltered, milligrams per liter as nitrogen
00636	Nutrients	Ammonia plus organic nitrogen, water, filtered, milligrams per liter as nitrogen
00639	Nutrients	Alumino-nitrogen, water, unfiltered, milligrams per liter
00650	Nutrients	Phosphate, water, unfiltered, milligrams per liter
00653	Nutrients	Phosphate, water, filtered, milligrams per liter
00660	Nutrients	Orthophosphate, water, filtered, milligrams per liter
00665	Nutrients	Phosphorus, water, unfiltered, milligrams per liter as phosphorus
00666	Nutrients	Phosphorus, water, filtered, milligrams per liter as phosphorus
00667	Nutrients	Phosphorus, suspended sediment, total, milligrams per liter as phosphorus
00668	Nutrients	Phosphorus, bed sediment, total, dry weight, milligrams per kilogram as phosphorus
00669	Nutrients	Hydrolyzable phosphorus, water, unfiltered, milligrams per liter as phosphorus
00670	Nutrients	Organic phosphorus, water, unfiltered, milligrams per liter as phosphorus
00671	Nutrients	Orthophosphate, water, filtered, milligrams per liter as phosphorus
00672	Nutrients	Hydrolyzable phosphorus, water, filtered, milligrams per liter as phosphorus
00673	Nutrients	Organic phosphorus, water, filtered, milligrams per liter as phosphorus

00674	Nutrients	Orthophosphate, suspended sediment, total, milligrams per liter as phosphorus
00675	Nutrients	Hydrolyzable phosphorus, suspended sediment, total, milligrams per liter as phosphorus
00676	Nutrients	Organic phosphorus, suspended sediment, total, milligrams per liter as phosphorus
00677	Nutrients	Hydrolyzable phosphorus plus orthophosphate, water, filtered, milligrams per liter as phosphorus
00678	Nutrients	Hydrolyzable phosphorus plus orthophosphate, water, unfiltered, milligrams per liter
01388	Nutrients	Phosphorus, bed sediment, total digestion, dry weight, micrograms per gram
01397	Nutrients	Total nitrogen, bed sediment, total digestion, dry weight, percent
01413	Nutrients	Phosphorus, soil, total digestion, dry weight, percent
01425	Nutrients	Total nitrogen, soil, total digestion, milligrams per liter
01434	Nutrients	Phosphorus, bed sediment smaller than 2 millimeters, wet sieved (native water), total
01453	Nutrients	Phosphorus, biota, tissue, total digestion, dry weight, percent
01465	Nutrients	Total nitrogen, biota, tissue, total, milligrams per liter
30291	Nutrients	Phosphorus, bed sediment, dry weight, percent
30292	Nutrients	Phosphorus, suspended sediment, total digestion, dry weight, percent
34935	Nutrients	Phosphorus, bed sediment smaller than 62.5 microns, wet sieved, field, total digestion
34936	Nutrients	Phosphorus, bed sediment smaller than 177 microns, wet sieved, field, total digestion
34937	Nutrients	Phosphorus, bed sediment smaller than 62.5 microns, dry sieved, laboratory, total digestion
34938	Nutrients	Phosphorus, suspended sediment smaller than 62.5 microns, total digestion, dry weight
34939	Nutrients	Phosphorus, suspended sediment larger than 62.5 microns, total digestion, dry weight
35052	Nutrients	Total nitrogen, bed sediment smaller than 62.5 micrometers, dry sieved, laboratory, total
35055	Nutrients	Phosphorus, bed sediment smaller than 62.5 micrometers, dry sieved, laboratory, total
49570	Nutrients	Particulate nitrogen, suspended in water, milligrams per liter
61048	Nutrients	Phosphorus, bed sediment smaller than 2 millimeters, total digestion, dry weight, per
62464	Nutrients	Total nitrogen, bed sediment, dry weight, percent
62845	Nutrients	Total nitrogen, suspended sediment, dry weight, percent
62854	Nutrients	Total nitrogen (nitrate + nitrite + ammonia + organic-N), water, filtered, analytically

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62855	Nutrients	Total nitrogen (nitrate + nitrite + ammonia + organic-N), water, unfiltered, analytica
62950	Nutrients	Total nitrogen, solids, dry weight, micrograms per gram
62953	Nutrients	Nitrate, solids, dry weight, micrograms per gram as nitrogen
62954	Nutrients	Nitrite, solids, dry weight, micrograms per gram as nitrogen
62961	Nutrients	Ammonia, water, dissolved, pounds per day as nitrogen
63715	Nutrients	Orthophosphate, solids, recoverable, dry weight, micrograms per gram
64832	Nutrients	Nitrate, water, filtered, micrograms per liter as nitrogen
64834	Nutrients	Total nitrogen, solids, dry weight, mass fraction, percent
70507	Nutrients	Orthophosphate, water, unfiltered, milligrams per liter as phosphorus
71845	Nutrients	Ammonia, water, unfiltered, milligrams per liter as NH4
71846	Nutrients	Ammonia, water, filtered, milligrams per liter as NH4
71850	Nutrients	Nitrate, water, unfiltered, milligrams per liter
71851	Nutrients	Nitrate, water, filtered, milligrams per liter
71855	Nutrients	Nitrite, water, unfiltered, milligrams per liter
71856	Nutrients	Nitrite, water, filtered, milligrams per liter
71886	Nutrients	Phosphorus, water, unfiltered, milligrams per liter as phosphate
71887	Nutrients	Total nitrogen, water, unfiltered, milligrams per liter as nitrate
71888	Nutrients	Phosphorus, water, filtered, milligrams per liter as phosphate
76008	Nutrients	Nitrate, suspended sediment, total, milligrams per liter as nitrogen
76009	Nutrients	Nitrite, suspended sediment, total, milligrams per liter as nitrogen
76010	Nutrients	Hydrolyzable phosphorus plus orthophosphate, suspended sediment, total, milligram
80111	Nutrients	Total nitrogen, solids, dry weight, milligrams per kilogram
82046	Nutrients	Nitrous oxide, water, unfiltered, micrograms per liter
82267	Nutrients	Phosphorus, street debris smaller than 0.031 millimeters, dry weight, micrograms pe
82268	Nutrients	Phosphorus, street debris smaller than 0.0625 millimeters, dry weight, micrograms p
82269	Nutrients	Phosphorus, street debris smaller than 0.125 millimeters, dry weight, micrograms pe

82270	Nutrients	Phosphorus, street debris smaller than 0.25 millimeters, dry weight, micrograms per g
82271	Nutrients	Phosphorus, street debris smaller than 0.5 millimeters, dry weight, micrograms per g
82272	Nutrients	Phosphorus, street debris smaller than 1.0 millimeters, dry weight, micrograms per g
82273	Nutrients	Phosphorus, street debris smaller than 2 millimeters, dry weight, micrograms per g
82274	Nutrients	Phosphorus, street debris smaller than 4 millimeters, dry weight, micrograms per g
82431	Nutrients	Orthophosphate, total, dry atmospheric deposition, milligrams per kilogram
82432	Nutrients	Orthophosphate, total, dry atmospheric deposition, milligrams per kilogram as phosphorus
82433	Nutrients	Orthophosphate, insoluble, dry atmospheric deposition, milligrams per kilogram
82434	Nutrients	Orthophosphate, insoluble, dry atmospheric deposition, milligrams per kilogram as phosphate
82435	Nutrients	Orthophosphate, soluble, dry atmospheric deposition, milligrams per kilogram
82436	Nutrients	Orthophosphate, soluble, dry atmospheric deposition, milligrams per kilogram as phosphorus
82437	Nutrients	Phosphorus, total, dry atmospheric deposition, milligrams per kilogram as phosphate
82438	Nutrients	Phosphorus, dry atmospheric deposition, total, milligrams per kilogram
82439	Nutrients	Phosphorus, insoluble, dry atmospheric deposition, milligrams per kilogram as phosphorus
82440	Nutrients	Phosphorus, insoluble, dry atmospheric deposition, milligrams per kilogram
82441	Nutrients	Phosphorus, soluble, dry atmospheric deposition, milligrams per kilogram as phosphorus
82442	Nutrients	Phosphorus, soluble, dry atmospheric deposition, milligrams per kilogram
82443	Nutrients	Total nitrogen, total, dry atmospheric deposition, milligrams per kilogram
82444	Nutrients	Total nitrogen, insoluble, dry atmospheric deposition, milligrams per kilogram
82445	Nutrients	Total nitrogen, soluble, dry atmospheric deposition, milligrams per kilogram
82446	Nutrients	Organic nitrogen, total, dry atmospheric deposition, milligrams per kilogram
82447	Nutrients	Organic nitrogen, insoluble, dry atmospheric deposition, milligrams per kilogram
82448	Nutrients	Organic nitrogen, soluble, dry atmospheric deposition, milligrams per kilogram
82449	Nutrients	Ammonia plus organic nitrogen, total, dry atmospheric deposition, milligrams per kilogram
82450	Nutrients	Ammonia plus organic nitrogen, insoluble, dry atmospheric deposition, milligrams per kilogram
82451	Nutrients	Ammonia plus organic nitrogen, soluble, dry atmospheric deposition, milligrams per kilogram

82452	Nutrients	Ammonia, total, dry atmospheric deposition, milligrams per kilogram as NH4
82453	Nutrients	Ammonia, total, dry atmospheric deposition, milligrams per kilogram as nitrogen
82454	Nutrients	Ammonia, insoluble, dry atmospheric deposition, milligrams per kilogram as NH4
82455	Nutrients	Ammonia, insoluble, dry atmospheric deposition, milligrams per kilogram as nitrogen
82456	Nutrients	Ammonia, soluble, dry atmospheric deposition, milligrams per kilogram as NH4
82457	Nutrients	Ammonia, soluble, dry atmospheric deposition, milligrams per kilogram as nitrogen
82458	Nutrients	Nitrate plus nitrite, soluble, dry atmospheric deposition, milligrams per kilogram as nitrogen
82459	Nutrients	Nitrite, soluble, dry atmospheric deposition, milligrams per kilogram
82460	Nutrients	Nitrite, soluble, dry atmospheric deposition, milligrams per kilogram as nitrogen
82461	Nutrients	Nitrate, soluble, dry atmospheric deposition, milligrams per kilogram
82462	Nutrients	Nitrate, soluble, dry atmospheric deposition, milligrams per kilogram as nitrogen
83044	Nutrients	Ammonia, wet atmospheric deposition, filtered, milligrams per liter as nitrogen
83045	Nutrients	Ammonia, wet atmospheric deposition, filtered, milligrams per square meter as nitrogen
83046	Nutrients	Ammonia, wet atmospheric deposition, filtered, microequivalents per liter
83047	Nutrients	Ammonia, wet atmospheric deposition, filtered, milligrams per liter as NH4
83048	Nutrients	Ammonia, wet atmospheric deposition, filtered, milligrams per square meter as NH4
83049	Nutrients	Ammonia, wet atmospheric deposition, filtered, microequivalents per liter
83050	Nutrients	Ammonia, wet atmospheric deposition, suspended, milligrams per liter as nitrogen
83051	Nutrients	Ammonia, wet atmospheric deposition, suspended, milligrams per square meter as nitrogen
83052	Nutrients	Ammonia, wet atmospheric deposition, suspended, microequivalents per liter
83053	Nutrients	Ammonia, wet atmospheric deposition, suspended, milligrams per liter as NH4
83054	Nutrients	Ammonia, wet atmospheric deposition, suspended, milligrams per square meter as N
83055	Nutrients	Ammonia, wet atmospheric deposition, suspended, microequivalents per liter
83056	Nutrients	Ammonia, wet atmospheric deposition, unfiltered, recoverable, milligrams per liter as
83057	Nutrients	Ammonia, wet atmospheric deposition, unfiltered, recoverable, milligrams per square meter as
83058	Nutrients	Ammonia, wet atmospheric deposition, unfiltered, recoverable, microequivalents per liter as

83059	Nutrients	Ammonia, wet atmospheric deposition, unfiltered, recoverable, milligrams per liter as
83060	Nutrients	Ammonia, wet atmospheric deposition, unfiltered, recoverable, milligrams per square meter as
83061	Nutrients	Ammonia, wet atmospheric deposition, unfiltered, recoverable, microequivalents per liter as
83062	Nutrients	Ammonia, wet atmospheric deposition, unfiltered, milligrams per liter as nitrogen
83063	Nutrients	Ammonia, wet atmospheric deposition, unfiltered, milligrams per square meter as nitrogen
83064	Nutrients	Ammonia, wet atmospheric deposition, unfiltered, microequivalents per liter as
83065	Nutrients	Ammonia, wet atmospheric deposition, unfiltered, milligrams per liter as NH4
83066	Nutrients	Ammonia, wet atmospheric deposition, unfiltered, milligrams per square meter as NH4
83067	Nutrients	Ammonia, wet atmospheric deposition, unfiltered, microequivalents per liter as
83068	Nutrients	Nitrate, wet atmospheric deposition, filtered, milligrams per liter as nitrogen
83069	Nutrients	Nitrate, wet atmospheric deposition, filtered, milligrams per square meter as nitrogen
83070	Nutrients	Nitrate, wet atmospheric deposition, filtered, microequivalents per liter as
83071	Nutrients	Nitrate, wet atmospheric deposition, filtered, milligrams per liter as
83072	Nutrients	Nitrate, wet atmospheric deposition, filtered, milligrams per square meter as
83073	Nutrients	Nitrate, wet atmospheric deposition, filtered, microequivalents per liter as
83074	Nutrients	Nitrate, wet atmospheric deposition, unfiltered, milligrams per liter as nitrogen
83075	Nutrients	Nitrate, wet atmospheric deposition, unfiltered, milligrams per square meter as nitrogen
83076	Nutrients	Nitrate, wet atmospheric deposition, unfiltered, microequivalents per liter as
83077	Nutrients	Nitrate, wet atmospheric deposition, unfiltered, milligrams per liter as
83078	Nutrients	Nitrate, wet atmospheric deposition, unfiltered, milligrams per square meter as
83079	Nutrients	Nitrate, wet atmospheric deposition, unfiltered, microequivalents per liter as
83080	Nutrients	Nitrate plus nitrite, wet atmospheric deposition, filtered, milligrams per liter as nitrogen
83081	Nutrients	Nitrate plus nitrite, wet atmospheric deposition, filtered, milligrams per square meter as
83082	Nutrients	Nitrate plus nitrite, wet atmospheric deposition, filtered, microequivalents per liter as
83083	Nutrients	Nitrate plus nitrite, wet atmospheric deposition, filtered, milligrams per liter as nitrate
83084	Nutrients	Nitrate plus nitrite, wet atmospheric deposition, filtered, milligrams per square meter as

83085	Nutrients	Nitrate plus nitrite, wet atmospheric deposition, filtered, microequivalents per liter
83086	Nutrients	Nitrate plus nitrite, wet atmospheric deposition, unfiltered, milligrams per liter as nitrate
83087	Nutrients	Nitrate plus nitrite, wet atmospheric deposition, unfiltered, milligrams per square meter as nitrate
83088	Nutrients	Nitrate plus nitrite, wet atmospheric deposition, unfiltered, microequivalents per liter as nitrogen
83089	Nutrients	Nitrate plus nitrite, wet atmospheric deposition, unfiltered, milligrams per liter as nitrogen
83090	Nutrients	Nitrate plus nitrite, wet atmospheric deposition, unfiltered, milligrams per square meter as nitrogen
83091	Nutrients	Nitrate plus nitrite, wet atmospheric deposition, unfiltered, microequivalents per liter as nitrogen
83092	Nutrients	Nitrite, wet atmospheric deposition, filtered, milligrams per liter as nitrogen
83093	Nutrients	Nitrite, wet atmospheric deposition, filtered, milligrams per square meter as nitrogen
83094	Nutrients	Nitrite, wet atmospheric deposition, filtered, microequivalents per liter as nitrogen
83095	Nutrients	Nitrite, wet atmospheric deposition, filtered, milligrams per liter as nitrogen
83096	Nutrients	Nitrite, wet atmospheric deposition, filtered, milligrams per square meter as nitrogen
83097	Nutrients	Nitrite, wet atmospheric deposition, filtered, microequivalents per liter as nitrogen
83098	Nutrients	Nitrite, wet atmospheric deposition, unfiltered, milligrams per liter as nitrogen
83099	Nutrients	Nitrite, wet atmospheric deposition, unfiltered, milligrams per square meter as nitrogen
83100	Nutrients	Nitrite, wet atmospheric deposition, unfiltered, microequivalents per liter as nitrogen
83101	Nutrients	Nitrite, wet atmospheric deposition, unfiltered, milligrams per liter as nitrogen
83102	Nutrients	Nitrite, wet atmospheric deposition, unfiltered, milligrams per square meter as nitrogen
83103	Nutrients	Nitrite, wet atmospheric deposition, unfiltered, microequivalents per liter as nitrogen
83108	Nutrients	Orthophosphate, wet atmospheric deposition, filtered, milligrams per liter as phosphorus
83109	Nutrients	Orthophosphate, wet atmospheric deposition, filtered, milligrams per square meter as phosphorus
83110	Nutrients	Orthophosphate, wet atmospheric deposition, filtered, microequivalents per liter as phosphorus
83111	Nutrients	Orthophosphate, wet atmospheric deposition, filtered, milligrams per liter as phosphorus
83112	Nutrients	Orthophosphate, wet atmospheric deposition, filtered, milligrams per square meter as phosphorus
83113	Nutrients	Orthophosphate, wet atmospheric deposition, filtered, microequivalents per liter as phosphorus
83114	Nutrients	Orthophosphate, wet atmospheric deposition, unfiltered, milligrams per liter as phosphorus

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833115	Nutrients	Orthophosphate, wet atmospheric deposition, unfiltered, milligrams per square meter
833116	Nutrients	Orthophosphate, wet atmospheric deposition, unfiltered, microequivalents per liter
833117	Nutrients	Orthophosphate, wet atmospheric deposition, unfiltered, milligrams per liter
833118	Nutrients	Orthophosphate, wet atmospheric deposition, unfiltered, milligrams per square meter
833119	Nutrients	Orthophosphate, wet atmospheric deposition, unfiltered, microequivalents per liter
83326	Nutrients	Ammonia, bulk atmospheric deposition, filtered, milligrams per liter as nitrogen
83327	Nutrients	Ammonia, bulk atmospheric deposition, filtered, milligrams per square meter as nitro
83328	Nutrients	Ammonia, bulk atmospheric deposition, filtered, microequivalents per liter
83329	Nutrients	Ammonia, bulk atmospheric deposition, filtered, milligrams per liter as NH4
83330	Nutrients	Ammonia, bulk atmospheric deposition, filtered, milligrams per square meter as NH4
83331	Nutrients	Ammonia, bulk atmospheric deposition, filtered, microequivalents per liter
83332	Nutrients	Ammonia, bulk atmospheric deposition, suspended, milligrams per liter as nitrogen
83333	Nutrients	Ammonia, bulk atmospheric deposition, suspended, milligrams per square meter as r
83334	Nutrients	Ammonia, bulk atmospheric deposition, suspended, microequivalents per liter
83335	Nutrients	Ammonia, bulk atmospheric deposition, suspended, milligrams per liter as NH4
83336	Nutrients	Ammonia, bulk atmospheric deposition, suspended, milligrams per square meter as 1
83337	Nutrients	Ammonia, bulk atmospheric deposition, suspended, microequivalents per liter
83338	Nutrients	Ammonia, bulk atmospheric deposition, unfiltered, recoverable, milligrams per liter a
83339	Nutrients	Ammonia, bulk atmospheric deposition, unfiltered, recoverable, milligrams per square
83340	Nutrients	Ammonia, bulk atmospheric deposition, unfiltered, recoverable, microequivalents per
83341	Nutrients	Ammonia, bulk atmospheric deposition, unfiltered, recoverable, milligrams per liter a
83342	Nutrients	Ammonia, bulk atmospheric deposition, unfiltered, recoverable, milligrams per square
83343	Nutrients	Ammonia, bulk atmospheric deposition, unfiltered, recoverable, microequivalents per
83344	Nutrients	Ammonia, bulk atmospheric deposition, unfiltered, milligrams per liter as nitrogen
83345	Nutrients	Ammonia, bulk atmospheric deposition, unfiltered, milligrams per square meter as ni
83346	Nutrients	Ammonia, bulk atmospheric deposition, unfiltered, microequivalents per liter

83347	Nutrients	Ammonia, bulk atmospheric deposition, unfiltered, milligrams per liter as NH4
83348	Nutrients	Ammonia, bulk atmospheric deposition, unfiltered, milligrams per square meter as N1
83349	Nutrients	Ammonia, bulk atmospheric deposition, unfiltered, microequivalents per liter
83350	Nutrients	Nitrate, bulk atmospheric deposition, filtered, milligrams per liter as nitrogen
83351	Nutrients	Nitrate, bulk atmospheric deposition, filtered, milligrams per square meter as nitrogen
83352	Nutrients	Nitrate, bulk atmospheric deposition, filtered, microequivalents per liter
83353	Nutrients	Nitrate, bulk atmospheric deposition, filtered, milligrams per liter
83354	Nutrients	Nitrate, bulk atmospheric deposition, filtered, milligrams per square meter
83355	Nutrients	Nitrate, bulk atmospheric deposition, filtered, microequivalents per liter
83356	Nutrients	Nitrate, bulk atmospheric deposition, unfiltered, milligrams per liter as nitrogen
83357	Nutrients	Nitrate, bulk atmospheric deposition, unfiltered, milligrams per square meter as nitro
83358	Nutrients	Nitrate, bulk atmospheric deposition, unfiltered, microequivalents per liter
83359	Nutrients	Nitrate, bulk atmospheric deposition, unfiltered, milligrams per liter
83360	Nutrients	Nitrate, bulk atmospheric deposition, unfiltered, milligrams per square meter
83361	Nutrients	Nitrate, bulk atmospheric deposition, unfiltered, microequivalents per liter
83362	Nutrients	Nitrate plus nitrite, bulk atmospheric deposition, filtered, milligrams per liter as nitro
83363	Nutrients	Nitrate plus nitrite, bulk atmospheric deposition, filtered, milligrams per square mete
83364	Nutrients	Nitrate plus nitrite, bulk atmospheric deposition, filtered, microequivalents per liter
83365	Nutrients	Nitrate plus nitrite, bulk atmospheric deposition, filtered, milligrams per liter as nitrat
83366	Nutrients	Nitrate plus nitrite, bulk atmospheric deposition, filtered, milligrams per square mete
83367	Nutrients	Nitrate plus nitrite, bulk atmospheric deposition, filtered, microequivalents per liter
83368	Nutrients	Nitrate plus nitrite, bulk atmospheric deposition, unfiltered, milligrams per liter as nit
83369	Nutrients	Nitrate plus nitrite, bulk atmospheric deposition, unfiltered, milligrams per square me
83370	Nutrients	Nitrate plus nitrite, bulk atmospheric deposition, unfiltered, microequivalents per liter
83371	Nutrients	Nitrate plus nitrite, bulk atmospheric deposition, unfiltered, milligrams per liter as nit
83372	Nutrients	Nitrate plus nitrite, bulk atmospheric deposition, unfiltered, milligrams per square me

833373	Nutrients	Nitrate plus nitrite, bulk atmospheric deposition, unfiltered, microequivalents per liter
833374	Nutrients	Nitrite, bulk atmospheric deposition, filtered, milligrams per liter as nitrogen
833375	Nutrients	Nitrite, bulk atmospheric deposition, filtered, milligrams per square meter as nitrogen
833376	Nutrients	Nitrite, bulk atmospheric deposition, filtered, microequivalents per liter
833377	Nutrients	Nitrite, bulk atmospheric deposition, filtered, milligrams per liter
833378	Nutrients	Nitrite, bulk atmospheric deposition, filtered, milligrams per square meter
833379	Nutrients	Nitrite, bulk atmospheric deposition, filtered, microequivalents per liter
833380	Nutrients	Nitrite, bulk atmospheric deposition, unfiltered, milligrams per liter as nitrogen
833381	Nutrients	Nitrite, bulk atmospheric deposition, unfiltered, milligrams per square meter as nitrogen
833382	Nutrients	Nitrite, bulk atmospheric deposition, unfiltered, microequivalents per liter
833383	Nutrients	Nitrite, bulk atmospheric deposition, unfiltered, milligrams per liter
833384	Nutrients	Nitrite, bulk atmospheric deposition, unfiltered, milligrams per square meter
833385	Nutrients	Nitrite, bulk atmospheric deposition, unfiltered, microequivalents per liter
833390	Nutrients	Orthophosphate, bulk atmospheric deposition, filtered, milligrams per liter as phosphorus
833391	Nutrients	Orthophosphate, bulk atmospheric deposition, filtered, milligrams per square meter as phosphorus
833392	Nutrients	Orthophosphate, bulk atmospheric deposition, filtered, microequivalents per liter
833393	Nutrients	Orthophosphate, bulk atmospheric deposition, filtered, milligrams per liter
833394	Nutrients	Orthophosphate, bulk atmospheric deposition, filtered, milligrams per square meter
833395	Nutrients	Orthophosphate, bulk atmospheric deposition, filtered, microequivalents per liter
833396	Nutrients	Orthophosphate, bulk atmospheric deposition, unfiltered, milligrams per liter as phosphorus
833397	Nutrients	Orthophosphate, bulk atmospheric deposition, unfiltered, milligrams per square meter as phosphorus
833398	Nutrients	Orthophosphate, bulk atmospheric deposition, unfiltered, microequivalents per liter
833399	Nutrients	Orthophosphate, bulk atmospheric deposition, unfiltered, milligrams per liter
833400	Nutrients	Orthophosphate, bulk atmospheric deposition, unfiltered, milligrams per square meter
833401	Nutrients	Orthophosphate, bulk atmospheric deposition, unfiltered, microequivalents per liter
90859	Nutrients	Nitrate plus nitrite, water, unfiltered, calculated, milligrams per liter as nitrogen

91003	Nutrients	Nitrate, water, filtered, micrograms per liter
91004	Nutrients	Orthophosphate, water, filtered, micrograms per liter as phosphorus
91006	Nutrients	Nitrate, water, dissolved, tons per day
91007	Nutrients	Phosphorus, water, unfiltered, tons per day
91008	Nutrients	Phosphorus, water, dissolved, tons per day
91012	Nutrients	Nitrite, water, dissolved, tons of nitrogen per day
91013	Nutrients	Ammonia plus organic nitrogen, water, unfiltered, tons of nitrogen per day
91014	Nutrients	Ammonia, water, dissolved, tons of nitrogen per day
91015	Nutrients	Ammonia, water, unfiltered, tons of nitrogen per day
91047	Nutrients	Organic nitrogen, water, unfiltered, pounds of nitrogen per day
91048	Nutrients	Ammonia, water, unfiltered, pounds of nitrogen per day
91049	Nutrients	Nitrate plus nitrite, water, unfiltered, pounds of nitrogen per day
91050	Nutrients	Phosphorus, water, unfiltered, pounds per day
91057	Nutrients	Ammonia plus organic nitrogen, water, unfiltered, pounds of nitrogen per day
91058	Nutrients	Total nitrogen, water, unfiltered, pounds per day
91059	Nutrients	Orthophosphate, water, unfiltered, pounds per day
91060	Nutrients	Orthophosphate, water, dissolved, pounds per day
91061	Nutrients	Nitrate plus nitrite, water, dissolved, pounds per day as nitrogen
99116	Nutrients	Nitrite, water, filtered, field, milligrams per liter as nitrogen
99120	Nutrients	Ammonia, water, filtered, field, milligrams per liter as nitrogen
99121	Nutrients	Nitrate, water, filtered, field, milligrams per liter as nitrogen
99122	Nutrients	Orthophosphate, water, filtered, field, milligrams per liter
99123	Nutrients	Ammonia, water, unfiltered, field, milligrams per liter as nitrogen
99124	Nutrients	Nitrate, water, unfiltered, field, milligrams per liter as nitrogen
99125	Nutrients	Nitrite, water, unfiltered, field, milligrams per liter as nitrogen
99126	Nutrients	Orthophosphate, water, unfiltered, field, milligrams per liter

99130	Nutrients	Nitrate, water, unfiltered, field, micromoles per liter
99410	Nutrients	Total nitrogen, water, filtered, estimated by regression equation, milligrams per liter
99411	Nutrients	Nitrate, water, filtered, estimated by regression equation, milligrams per liter as nitrc
99412	Nutrients	Ammonia, water, filtered, estimated by regression equation, milligrams per liter as nitr
99413	Nutrients	Ammonia plus organic nitrogen, water, filtered, estimated by regression equation, mi
99414	Nutrients	Orthophosphate, water, unfiltered, estimated by regression equation, milligrams per
99415	Nutrients	Orthophosphate, water, filtered, estimated by regression equation, milligrams per
99416	Nutrients	Phosphorus, water, unfiltered, estimated by regression equation, milligrams per liter
99889	Nutrients	Nitrate plus nitrite, water, filtered, field, milligrams per liter as nitrogen
99891	Nutrients	Phosphorus, water, unfiltered, modified jirka method, milligrams per liter
99892	Nutrients	Ammonia plus organic nitrogen, water, unfiltered, modified jirka method, milligrams
99893	Nutrients	Phosphorus, water, filtered, modified jirka method, milligrams per liter
99894	Nutrients	Ammonia plus organic nitrogen, water, filtered, modified jirka method, milligrams per

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